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PATENT & TRADEMARK OFFICE
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FIG. 1

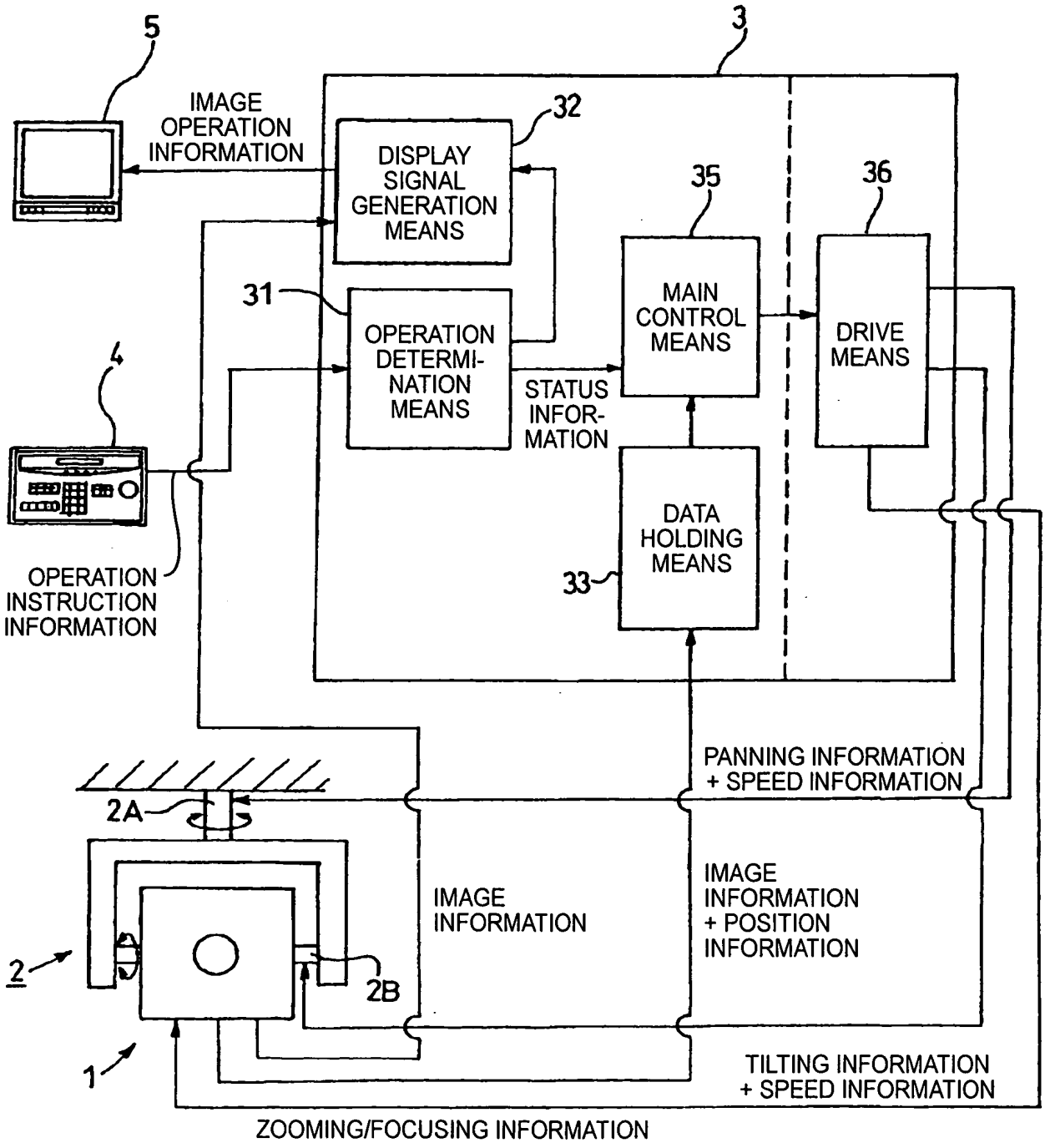


FIG. 2

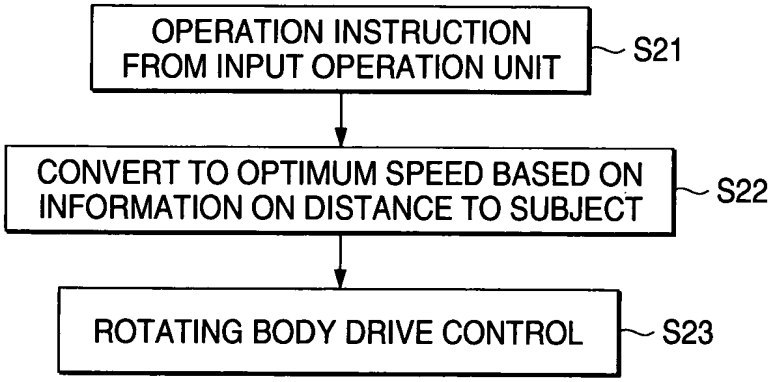

OPERATION INSTRUCTION FROM INPUT OPERATION UNIT
S21
CONVERT TO OPTIMUM SPEED BASED ON INFORMATION ON DISTANCE TO SUBJECT
S22
ROTATING BODY DRIVE CONTROL
S23

FIG. 3

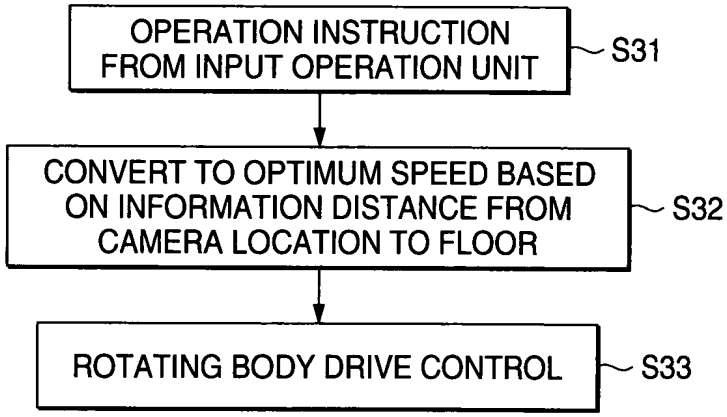

OPERATION INSTRUCTION FROM INPUT OPERATION UNIT
S31
CONVERT TO OPTIMUM SPEED BASED ON INFORMATION DISTANCE FROM CAMERA LOCATION TO FLOOR
S32
ROTATING BODY DRIVE CONTROL
S33

FIG. 4

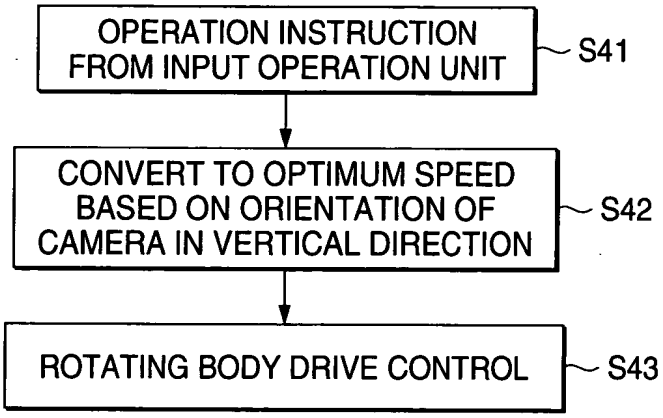

OPERATION INSTRUCTION FROM INPUT OPERATION UNIT
S41
CONVERT TO OPTIMUM SPEED BASED ON ORIENTATION OF CAMERA IN VERTICAL DIRECTION
S42
ROTATING BODY DRIVE CONTROL
S43

FIG. 5

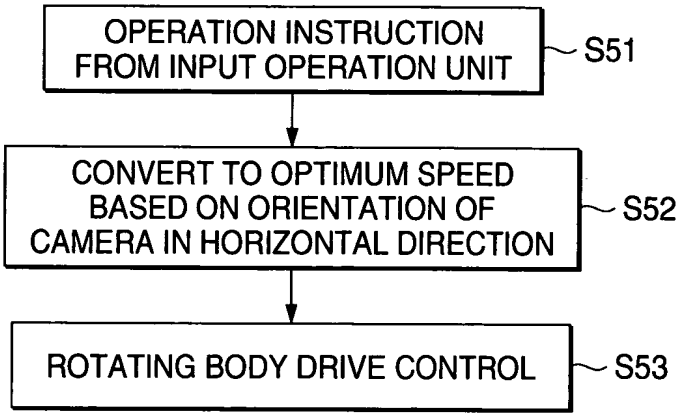

OPERATION INSTRUCTION FROM INPUT OPERATION UNIT
S51
CONVERT TO OPTIMUM SPEED BASED ON ORIENTATION OF CAMERA IN HORIZONTAL DIRECTION
S52
ROTATING BODY DRIVE CONTROL
S53

FIG. 6

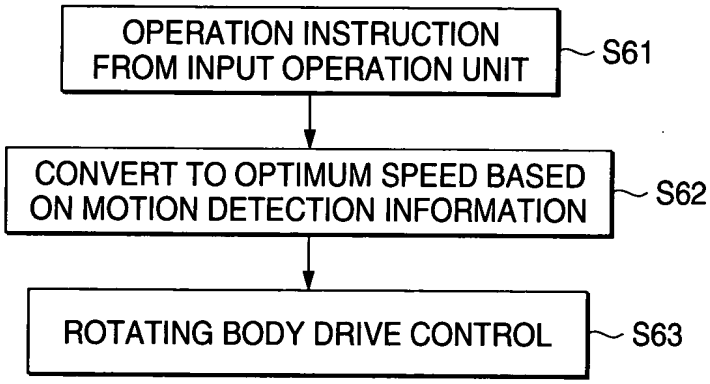

OPERATION INSTRUCTION FROM INPUT OPERATION UNIT
S61
CONVERT TO OPTIMUM SPEED BASED ON MOTION DETECTION INFORMATION
S62
ROTATING BODY DRIVE CONTROL
S63

FIG. 7

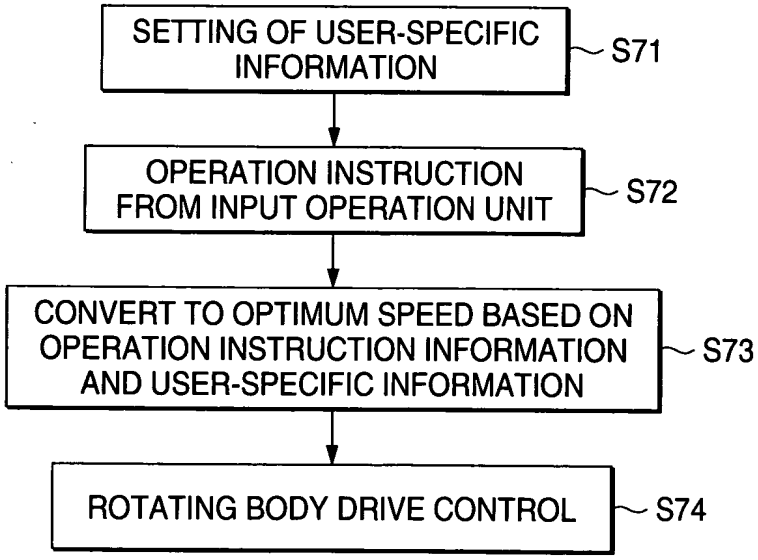

SETTING OF USER-SPECIFIC INFORMATION
S71
OPERATION INSTRUCTION FROM INPUT OPERATION UNIT
S72
CONVERT TO OPTIMUM SPEED BASED ON OPERATION INSTRUCTION INFORMATION AND USER-SPECIFIC INFORMATION
S73
ROTATING BODY DRIVE CONTROL
S74

FIG. 8

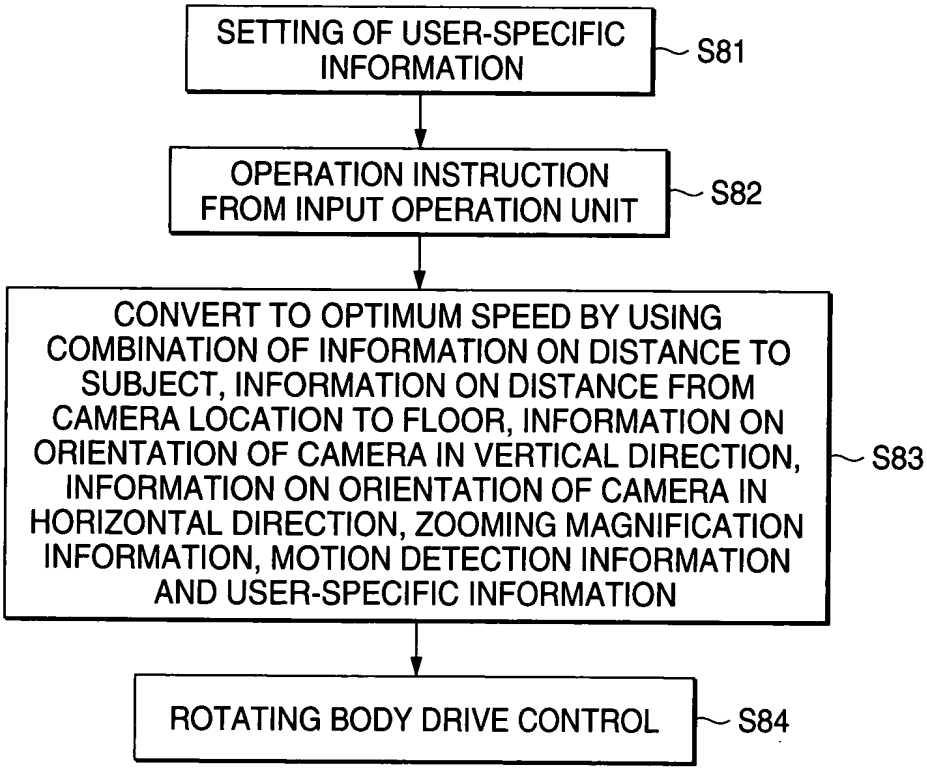

SETTING OF USER-SPECIFIC INFORMATION
S81
OPERATION INSTRUCTION FROM INPUT OPERATION UNIT
S82
CONVERT TO OPTIMUM SPEED BY USING COMBINATION OF INFORMATION ON DISTANCE TO SUBJECT, INFORMATION ON DISTANCE FROM CAMERA LOCATION TO FLOOR, INFORMATION ON ORIENTATION OF CAMERA IN VERTICAL DIRECTION, INFORMATION ON ORIENTATION OF CAMERA IN HORIZONTAL DIRECTION, ZOOMING MAGNIFICATION INFORMATION, MOTION DETECTION INFORMATION AND USER-SPECIFIC INFORMATION
S83
ROTATING BODY DRIVE CONTROL
S84

FIG. 9

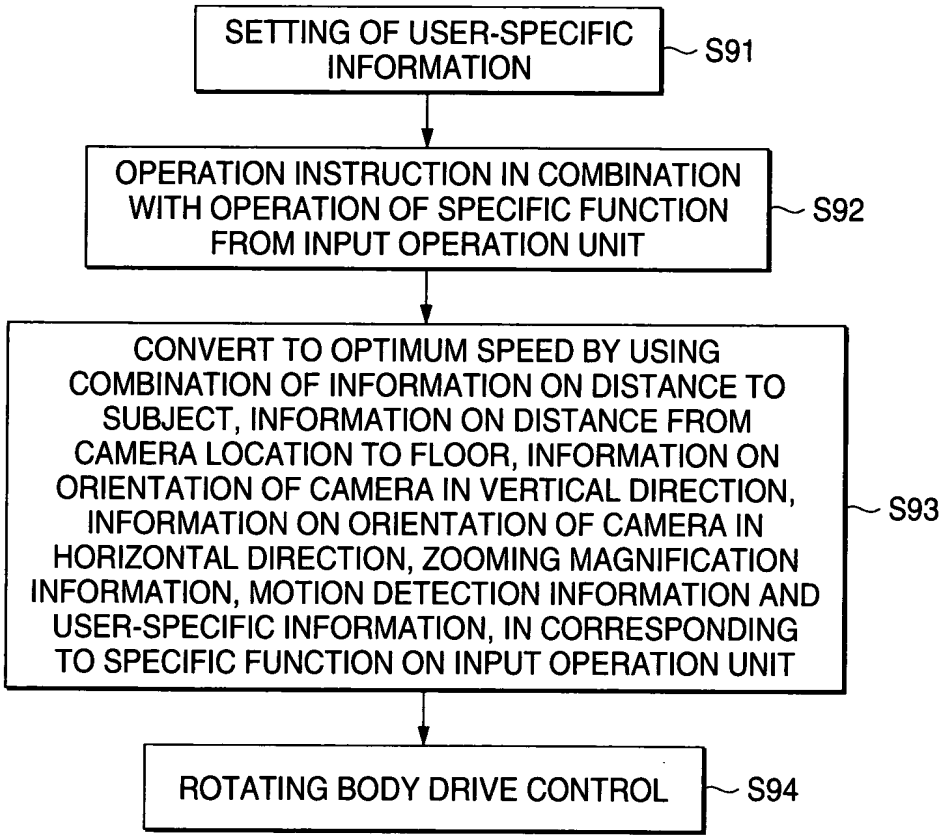

SETTING OF USER-SPECIFIC INFORMATION
S91
OPERATION INSTRUCTION IN COMBINATION WITH OPERATION OF SPECIFIC FUNCTION FROM INPUT OPERATION UNIT
S92
CONVERT TO OPTIMUM SPEED BY USING COMBINATION OF INFORMATION ON DISTANCE TO SUBJECT, INFORMATION ON DISTANCE FROM CAMERA LOCATION TO FLOOR, INFORMATION ON ORIENTATION OF CAMERA IN VERTICAL DIRECTION, INFORMATION ON ORIENTATION OF CAMERA IN HORIZONTAL DIRECTION, ZOOMING MAGNIFICATION INFORMATION, MOTION DETECTION INFORMATION AND USER-SPECIFIC INFORMATION, IN CORRESPONDING TO SPECIFIC FUNCTION ON INPUT OPERATION UNIT
S93
ROTATING BODY DRIVE CONTROL
S94

FIG. 10

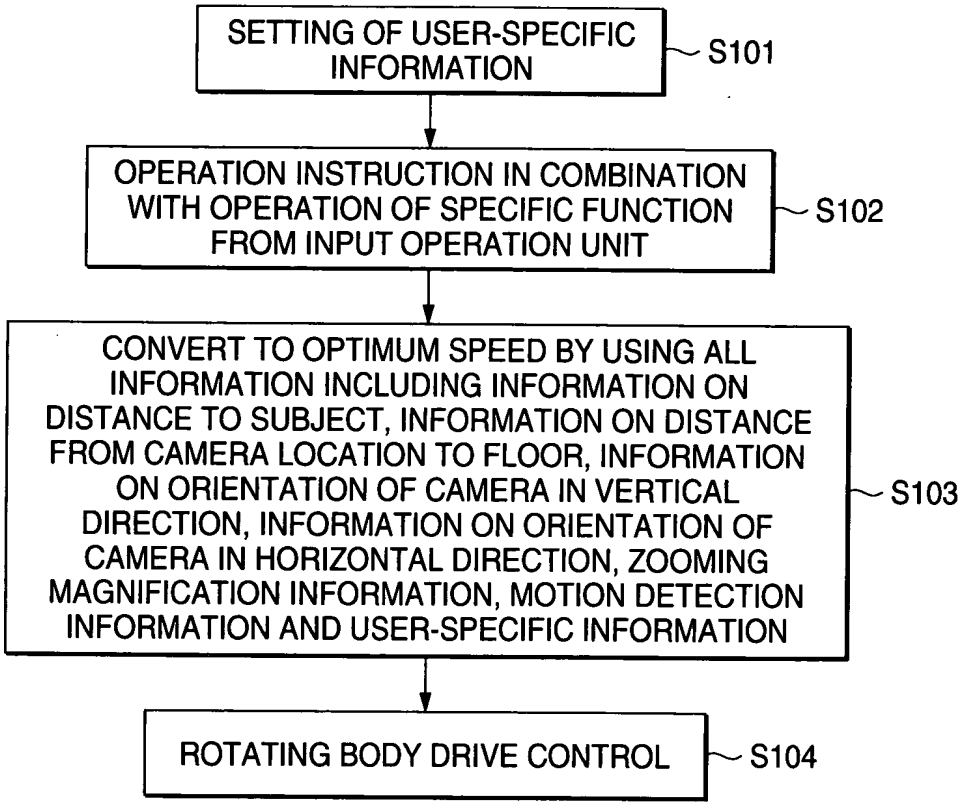

SETTING OF USER-SPECIFIC INFORMATION
S101
OPERATION INSTRUCTION IN COMBINATION WITH OPERATION OF SPECIFIC FUNCTION FROM INPUT OPERATION UNIT
S102
CONVERT TO OPTIMUM SPEED BY USING ALL INFORMATION INCLUDING INFORMATION ON DISTANCE TO SUBJECT, INFORMATION ON DISTANCE FROM CAMERA LOCATION TO FLOOR, INFORMATION ON ORIENTATION OF CAMERA IN VERTICAL DIRECTION, INFORMATION ON ORIENTATION OF CAMERA IN HORIZONTAL DIRECTION, ZOOMING MAGNIFICATION INFORMATION, MOTION DETECTION INFORMATION AND USER-SPECIFIC INFORMATION
S103
ROTATING BODY DRIVE CONTROL
S104

FIG. 11

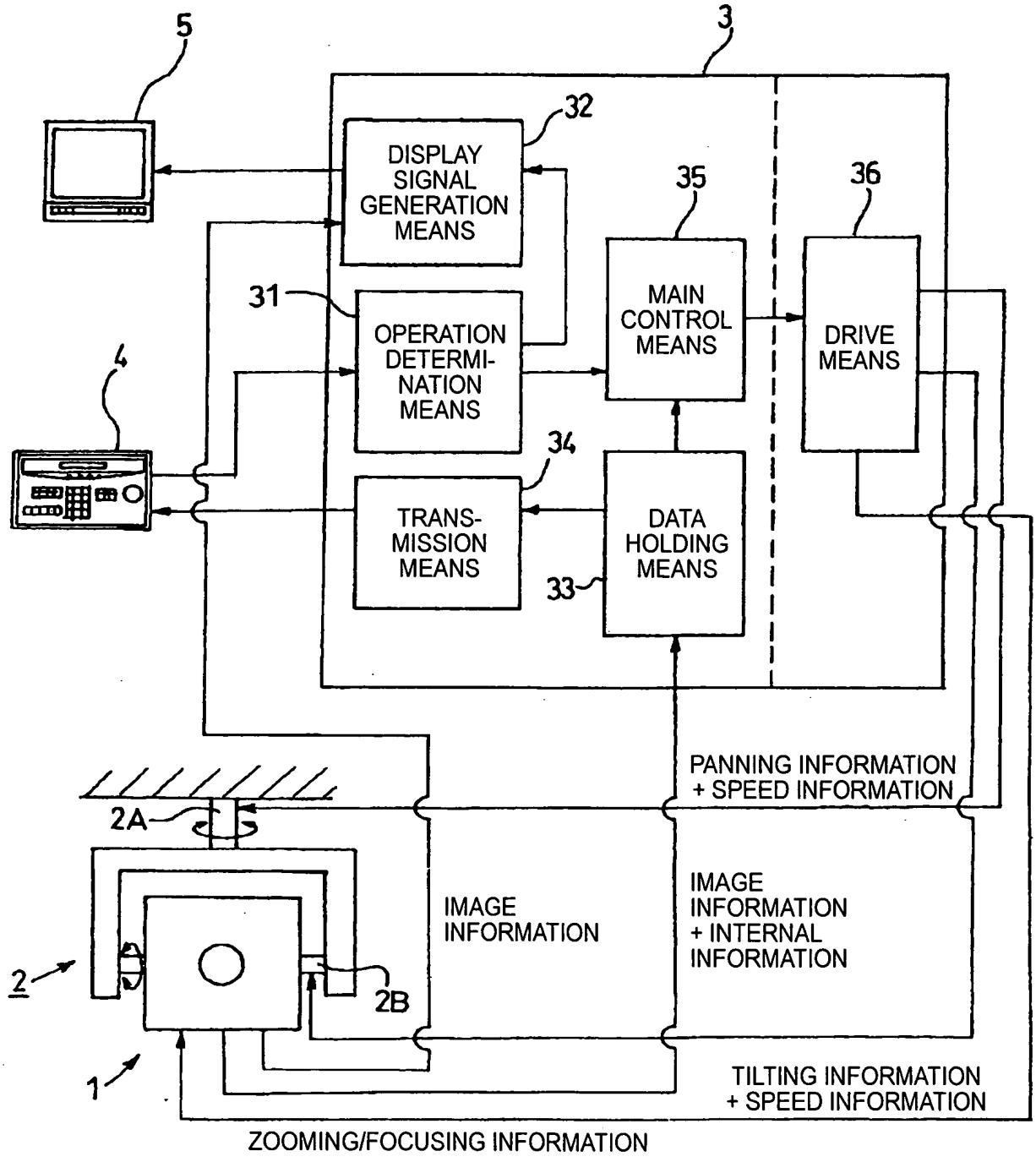

5
3
32
DISPLAY SIGNAL GENERATION MEANS
35
36
31
OPERATION DETERMI-NATION MEANS
MAIN CONTROL MEANS
DRIVE MEANS
4
34
TRANS-MISSION MEANS
DATA HOLDING MEANS
33
PANNING INFORMATION + SPEED INFORMATION
2A
IMAGE INFORMATION
IMAGE INFORMATION + INTERNAL INFORMATION
2
2B
1
TILTING INFORMATION + SPEED INFORMATION
ZOOMING/FOCUSING INFORMATION

FIG. 12

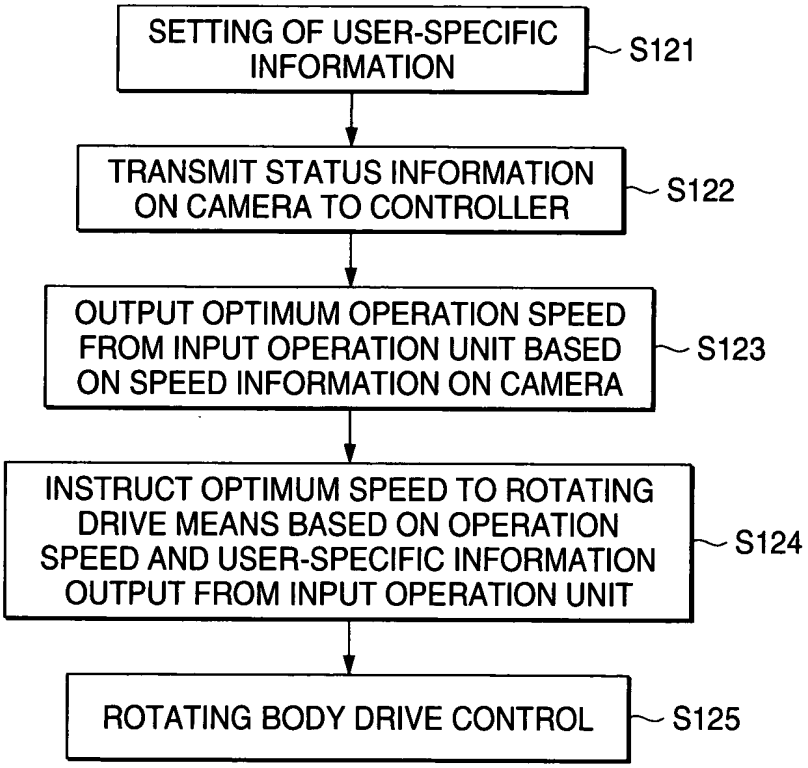

SETTING OF USER-SPECIFIC INFORMATION
S121
TRANSMIT STATUS INFORMATION ON CAMERA TO CONTROLLER
S122
OUTPUT OPTIMUM OPERATION SPEED FROM INPUT OPERATION UNIT BASED ON SPEED INFORMATION ON CAMERA
S123
INSTRUCT OPTIMUM SPEED TO ROTATING DRIVE MEANS BASED ON OPERATION SPEED AND USER-SPECIFIC INFORMATION OUTPUT FROM INPUT OPERATION UNIT
S124
ROTATING BODY DRIVE CONTROL
S125

FIG. 13

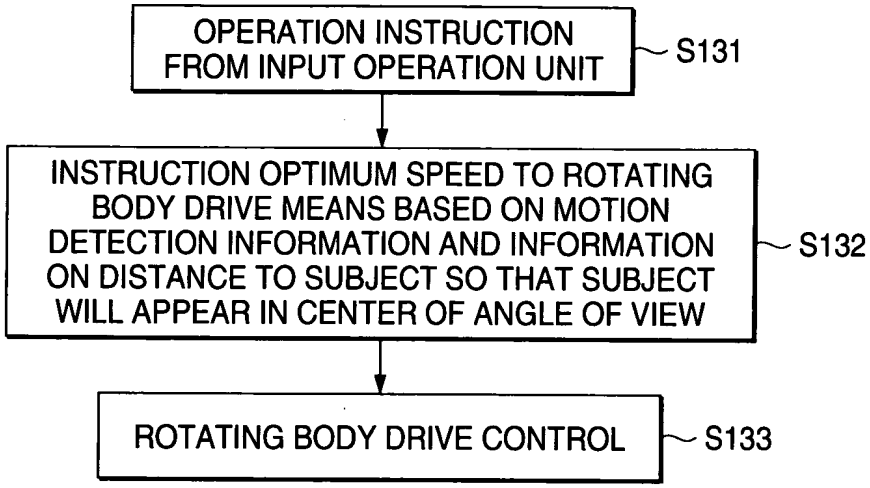

OPERATION INSTRUCTION FROM INPUT OPERATION UNIT
S131
INSTRUCTION OPTIMUM SPEED TO ROTATING BODY DRIVE MEANS BASED ON MOTION DETECTION INFORMATION AND INFORMATION ON DISTANCE TO SUBJECT SO THAT SUBJECT WILL APPEAR IN CENTER OF ANGLE OF VIEW
S132
ROTATING BODY DRIVE CONTROL
S133

FIG. 14

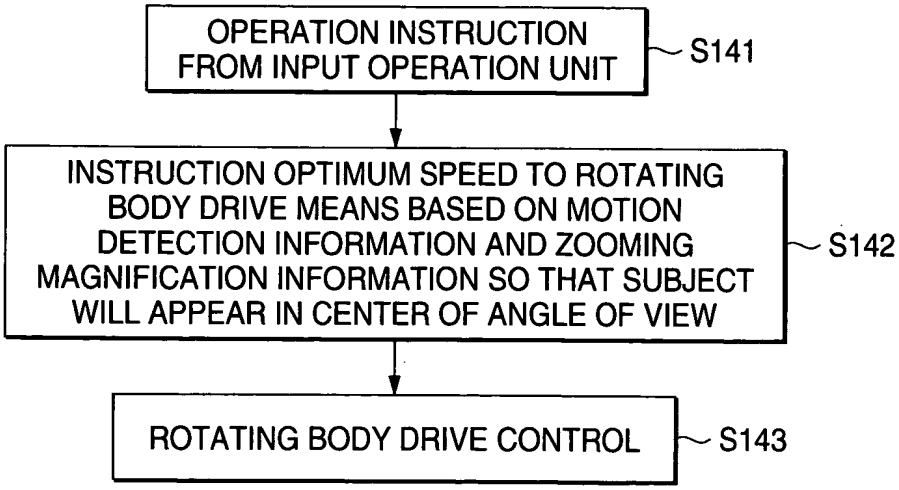
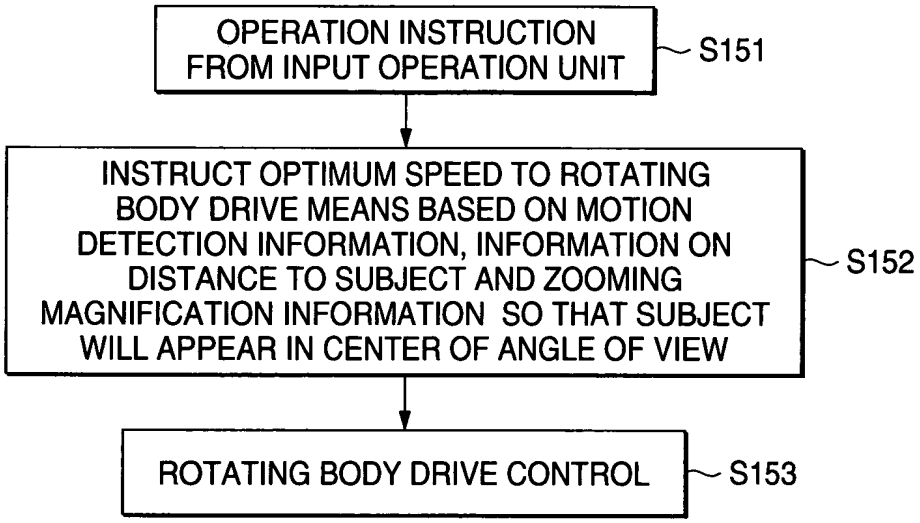

OPERATION INSTRUCTION FROM INPUT OPERATION UNIT
S141
INSTRUCTION OPTIMUM SPEED TO ROTATING BODY DRIVE MEANS BASED ON MOTION DETECTION INFORMATION AND ZOOMING MAGNIFICATION INFORMATION SO THAT SUBJECT WILL APPEAR IN CENTER OF ANGLE OF VIEW
S142
ROTATING BODY DRIVE CONTROL
S143

FIG. 15


OPERATION INSTRUCTION FROM INPUT OPERATION UNIT
S151
INSTRUCT OPTIMUM SPEED TO ROTATING BODY DRIVE MEANS BASED ON MOTION DETECTION INFORMATION, INFORMATION ON DISTANCE TO SUBJECT AND ZOOMING MAGNIFICATION INFORMATION SO THAT SUBJECT WILL APPEAR IN CENTER OF ANGLE OF VIEW
S152
ROTATING BODY DRIVE CONTROL
S153